

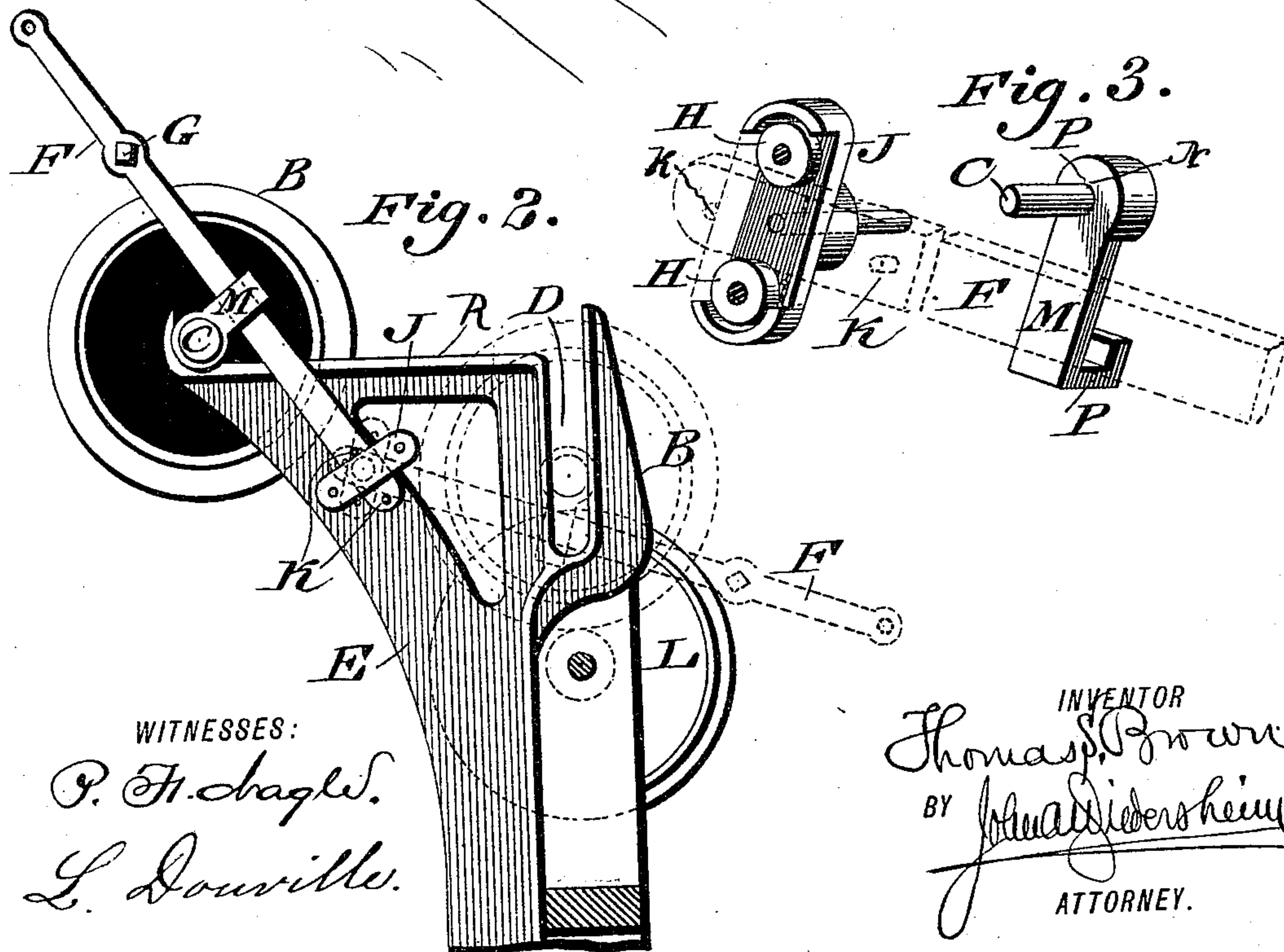
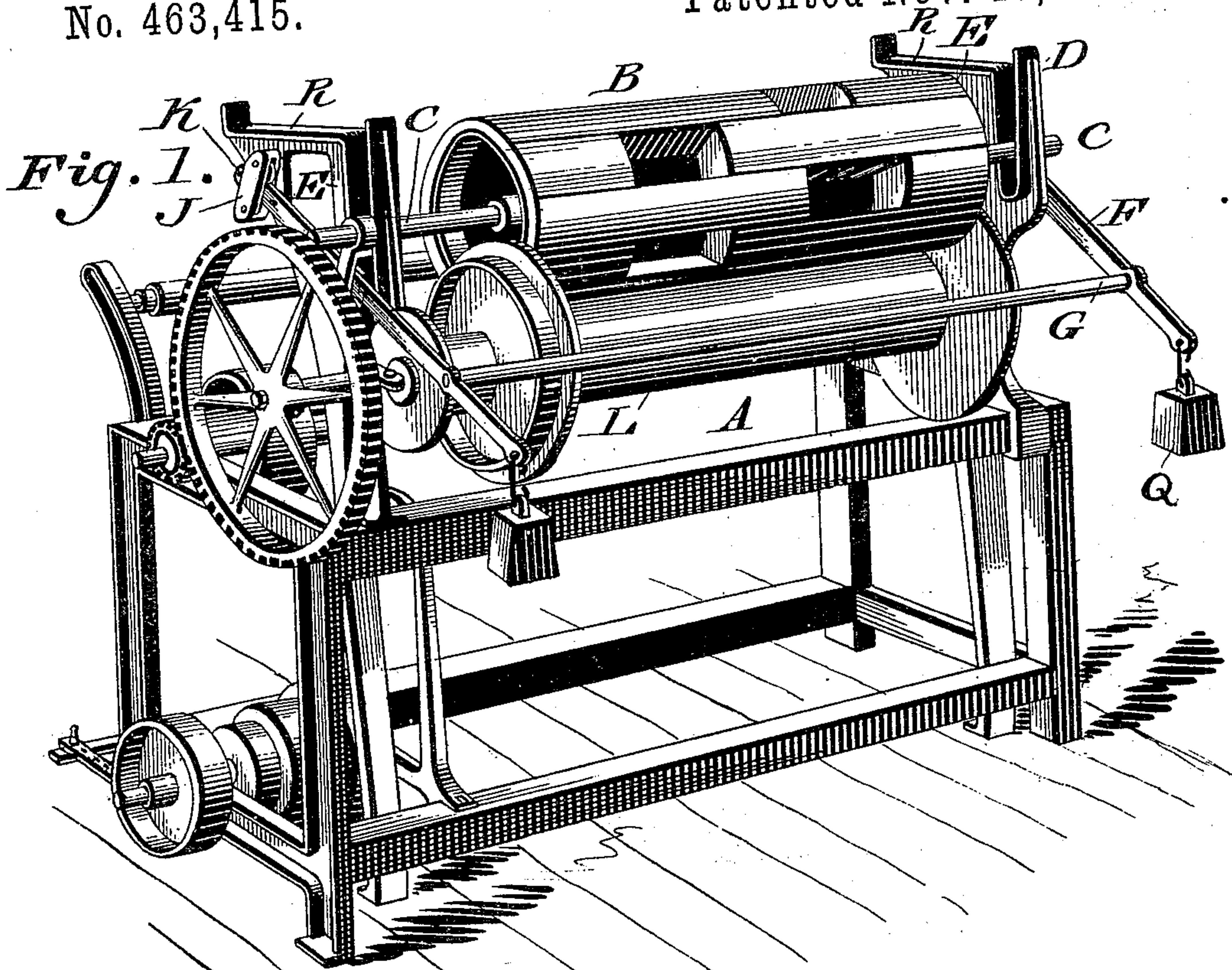
(No Model.)

T. S. BROWN.

PRESSER ATTACHMENT FOR PLAIN BEAMING MACHINES.

No. 463,415.

Patented Nov. 17, 1891.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

THOMAS S. BROWN, OF PHILADELPHIA, PENNSYLVANIA.

## PRESSER ATTACHMENT FOR PLAIN BEAMING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 463,415, dated November 17, 1891.

Application filed May 20, 1891. Serial No. 393,402. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS S. BROWN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Presser Attachments for Plain Beaming-Machines, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to improvements in beaming-machines; and it consists, first, of a device having novel bearings for its pressure-roller.

It further consists of the combination of parts hereinafter fully set forth.

Figure 1 represents a perspective view of a beaming-machine embodying my invention. Fig. 2 represents an end view of the pressure-roller removed from its bearing. Fig. 3 represents perspective views of detail portions of the device.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a beaming-machine, having its parts, except as hereinafter described, of ordinary construction.

B designates an adjustable pressure-roller, having its journals C working in slots D, formed in the uprights E of the frame of the machine. The weighted levers F, which are connected by the cross-bar G, are supported at their inner ends between the rollers H H of the brackets J J, the latter being pivoted to the sides of the uprights E. To prevent the levers from sliding from the brackets, and also to allow a movement therein, the pins K K are inserted in the said levers, projecting from the sides thereof, so as to be adapted to come in contact with the side pieces of the brackets. In order that the weighted levers F may bear upon the pressure-roller B and reliably keep it in contact with the yarn on the spool or drum L of the machine, the said levers are suspended from the journals C by means of hooked arms M, which are provided with the openings N, the walls of which form bearings for the journals C, the levers resting in the hooked lower end P of said arm.

When it is desired to remove the roller B from contact with the contents of the spool L, the weights Q are removed from the levers, thus permitting the easy raising of the said levers when lifting the journals C from

the slots D and placing the same on the upper plane R of the uprights, as shown in Fig. 2. The said planes R also form the permanent rest for the roller B when the spool is full, the formation being such that when said spool is full the said roller B will move back on the planes R out of the way of the spool, permitting its removal and the placing of an empty spool in position, after which the roller is brought forward and lowered onto the spool ready for operation.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A pressure-roller provided with a weighted lever having a sliding connection with the shaft thereof and a bracket pivoted to the frame of the machine and movably engaging one of the ends of said lever, said parts being combined substantially as described.

2. A frame having a bracket pivoted thereto and supporting-rollers therein, combined with a pressure-roller having a lever attached to the journals thereof, one end of said lever being movably mounted in said bracket, substantially as described.

3. The combination of slotted uprights, a roller having its journals in said slots, hooked arms having bearings on said journals, and weighted levers connected with the uprights and supported by said arms, substantially as described.

4. The combination of uprights having slots therein, a roller with its journals in said slots, brackets pivoted to said uprights, weighted levers having their inner ends connected with said brackets, and hooked arms having openings, the walls of which form bearings for the levers, substantially as described.

5. The combination of uprights having slots therein and the planes R on their upper ends, as described, a roller with its journals in said slots, connected levers, arms connected with the said journals and sustaining said levers, brackets in which said levers move, and pins or stops on said levers limiting the movement thereof in said brackets, substantially as described.

THOMAS S. BROWN.

Witnesses:

CHAS. E. PANCOAST,  
C. EDW. ORAM.